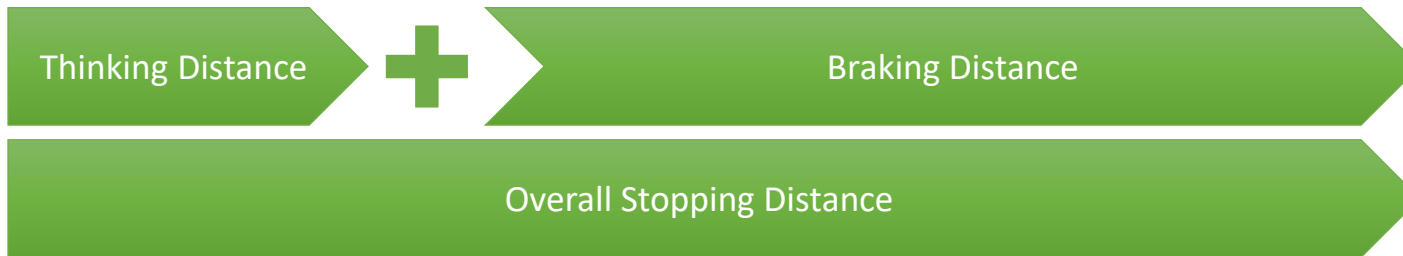


# Stopping Distances

Speed	20mph	30mph	40mph	50mph	60mph	70mph
Thinking	6	9	12	15	18	21
Braking	6	14	24	38	55	75
Stopping	12	23	36	53	73	96



How do I remember them?

## Thinking Distance

3 metres for every 10mph  
Eg 30mph is three lots of ten  
 $3 \times 3\text{m} = 9\text{m}$

## Overall Stopping Distance

Just remember the first digit:  
1, 2, 3, 5, 7, 9  
(odd numbers and 2)

Lowest speed: 20mph (school)  
Highest speed: 70mph  
(motorway)

Example:

What is the stopping distance at 60mph?

A)23m B)36m C)96m D)73m

Count school to motorway: 20 30 40 50 **60** 70

You need the 5<sup>th</sup> number. 1 2 3 5 **7** 9

The answer begins with 7 so D) 73m

# Stopping Distances Worksheet

Speed	20mph	30mph	40mph	50mph	60mph	70mph
Thinking	2x3=6m					
Braking						
Stopping						
(First Digit)	1	2	3	5	7	9

What is the stopping distance at 40mph?

A)23m B)36m C)96m D)73m

Count school to motorway:  
20,30,40,50,60,70

What is the stopping distance at 70mph?

A)23m B)36m C)96m D)73m

What is the thinking distance at 40mph?

A)18m B)12m C)24m D)6m

4 X 6 =

What is the braking distance at 30mph?

A)6m B)14m C)38m D)24m

Braking = Stopping - Thinking